



09/931, 631.

C/C

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

7

Patent Number

6,784,828 B2

Issue Date

August 31, 2004

First Named Inventor

Michael Joseph Delcheccolo

Art Unit

3662

Examiner Name

John B. Sotomayor

Attorney Docket Number

RTN-108AUS

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Appeal Notice, Brief, Reply Brief
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Letter Re Certificate of Correction
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	2 copies of Form PTO/SB/44
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application		Return Receipt Postcard
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

In the event a petition for extension of time is required by this paper and not otherwise provided, such petition is hereby made and authorization is provided herewith to charge deposit account No. 50-0845 for the cost of such extension.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Daly, Crowley, Mofford & Durkee, LLP		
Signature			
Printed name	Kermit Robinson		
Date	Feb 22, 2005	Reg. No.	48,734

Certificate

MAR 03 2005

of Correction

CERTIFICATE OF TRANSMISSION/MAILING

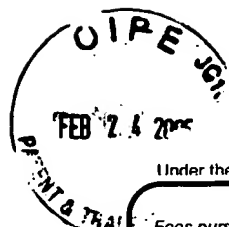
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Kermit Robinson	Date	Feb 22, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

MAR 04 2005



Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 100

Complete if Known

Patent Number	6,784,828 B2
Issue Date	August 31, 2004
First Named Inventor	Michael Joseph Delcheccolo
Examiner Name	John B. Sotomayor
Art Unit	3662
Attorney Docket No.	RTN-108AUS

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: 50-0845 Deposit Account Name: Daly, Crowley, Mofford & Durkee, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP = 0	x		0			
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP = 0	x		0			
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 = 0	/ 50 = 0	(round up to a whole number) x	0	0

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)	0
Other: Certificate of Correction Fee	100

SUBMITTED BY		
Signature		Registration No. 48,734
Name (Print/Type)	Kermit Robinson	Telephone 781.401.9988 ext. 24
		Date Feb 23, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

MAR 04 2005



DALY, CROWLEY, MOFFORD & DURKEE, LLP

275 TURNPIKE STREET - SUITE 101
CANTON, MASSACHUSETTS 02021-2354

TELEPHONE: 781-401-9988

FACSIMILE: 781-401-9966

CHRISTOPHER S. DALY
JUDITH C. CROWLEY
DONALD F. MOFFORD
PAUL D. DURKEE
KERMIT ROBINSON
MARIANNE M. DOWNING

csd@dc-m.com
jcc@dc-m.com
dfm@dc-m.com
pdd@dc-m.com
kr@dc-m.com
mmd@dc-m.com

www.dc-m.com

February 22, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Patent of Michael Joseph Delcheccolo, et al.
Entitled: NEAR OBJECT DETECTION SYSTEM
Issued On: August 31, 2004
Patent No.: 6,784,828 B2
Raytheon Ref. No.: 00E100/US/ESR
DCM Case No.: RTN-108AUS

Dear Sirs:

Enclosed are two completed copies of Form PTO/SB/44. It is requested that a Certificate of Correction be issued to correct the listed mistakes in the above-identified patent.

Also enclosed is a check for \$100.00 to cover the cost of the Certificate of Correction in accordance with 37 C.F.R. §1.20(a). If there are any additional fees, please charge Deposit Account 50-0845.

Very truly yours,

Kermit Robinson

KR/amk

Enclosures

Q:\rtn\108aus (00E100 - delcheccolo)\RTN-108AUS-Letter to PTO with COC.doc

02/25/2005 RFEKADU1 00000013 6784828

01 FC:1811

100.00 OP

MAR 04 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,784,828 *B2*
DATED : August 31, 2004
INVENTOR(S) : Michael Joseph Delcheccolo, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Col. 1, line 19, delete "vehicle a" and replace with --vehicle, a--.
- Col. 1, line 21, delete "example a" and replace with --example, a--.
- Col. 1, line 45, delete "noise for example can" and replace with --noise, for example, can--.
- Col. 1, line 52, delete "the a surface" and replace with --the surface--.
- Col. 1, line 63, delete "remotely reprogrammed." and replace with --remotely be re-programmed.--.
- Col. 2, line 5, delete "object" and replace with --objects--.
- Col. 2, line 29, delete "one the" and replace with --one of the--.
- Col. 2, lines 50-51, delete "plurality sensor" and replace with --plurality of sensor--.
- Col. 2, line 52, delete "a long" and replace with --along--.
- Col. 3, line 12, delete "such as car," and replace with --such as a car,--.
- Col. 3, lines 30-31, delete "entitled System and Technique for Mounting a Radar System on a Vehicle, filed" and replace with --entitled "System and Technique for Mounting a Radar System on a Vehicle", filed--.
- Col. 3, line 36, delete "ELS 12" and replace with --FLS 12--.
- Col. 3, line 51, delete "sensor 12-27" and replace with --sensors 12-27--.
- Col. 4, line 2, delete "Introduce" and replace with --introduce--.

MAILING ADDRESS OF SENDER:

Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, MA 02021-2354

PATENT NO. 6,784,828

No. of additional copies

 1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

MAR 1 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,784,828 *B2*
DATED : August 31, 2004
INVENTOR(S) : Michael Joseph Delcheccolo, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Col. 4, line 45, delete "to specific a one" and replace with --to a specific one--.
- Col. 4, line 52, delete "CT/DF processors" and replace with --CT/DF processor--.
- Col. 4, line 62, delete "born" and replace with --horn--.
- Col. 5, line 25, delete "of vehicle" and replace with --of the vehicle--.
- Col. 5, line 27, delete "Its is" and replace with --it is--.
- Col. 5, line 30, delete "Figure are" and replace with --Figure 1 are--.
- Col. 7, line 22, delete "track-called" and replace with --track--.
- Col. 7, line 39, delete "also to aid" and replace with --also aid--.
- Col. 7, line 48, delete "corresponding" and replace with --corresponds--.
- Col. 8, line 46, delete "target" and replace with --targets--.
- Col. 11, line 7, delete "vehicle" and replace with --the vehicle--.
- Col. 11, line 28, delete "step 154 a" and replace with --step 154, a--.
- Col. 12, line 34, delete "more of plurality" and replace with --more of said plurality--.
- Col. 13, line 15, delete "combination the" and replace with --combination with the--.
- Col. 13, line 16, delete "of a" and replace with --of--.

MAILING ADDRESS OF SENDER:

Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, MA 02021-2354

PATENT NO. 6,784,828

No. of additional copies

 1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

MAR 04 2005

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,784,828 *B2*
DATED : August 31, 2004
INVENTOR(S) : Michael Joseph Delcheccolo, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Col. 1, line 19, delete "vehicle a" and replace with --vehicle, a--.
- Col. 1, line 21, delete "example a" and replace with --example, a--.
- Col. 1, line 45, delete "noise for example can" and replace with --noise, for example, can--.
- Col. 1, line 52, delete "the a surface" and replace with --the surface--.
- Col. 1, line 63, delete "remotely reprogrammed." and replace with --remotely be re-programmed.--.
- Col. 2, line 5, delete "object" and replace with --objects--.
- Col. 2, line 29, delete "one the" and replace with --one of the--.
- Col. 2, lines 50-51, delete "plurality sensor" and replace with --plurality of sensor--.
- Col. 2, line 52, delete "a long" and replace with --along--.
- Col. 3, line 12, delete "such as car," and replace with --such as a car,--.
- Col. 3, lines 30-31, delete "entitled System and Technique for Mounting a Radar System on a Vehicle, filed" and replace with --entitled "System and Technique for Mounting a Radar System on a Vehicle", filed--.
- Col. 3, line 36, delete "ELS 12" and replace with --FLS 12--.
- Col. 3, line 51, delete "sensor 12-27" and replace with --sensors 12-27--.
- Col. 4, line 2, delete "Introduce" and replace with --introduce--.

MAILING ADDRESS OF SENDER:

Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, MA 02021-2354

PATENT NO. 6,784,828

No. of additional copies

 1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

MAR 04 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,784,828 *B2*
DATED : August 31, 2004
INVENTOR(S) : Michael Joseph Delcheccolo, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Col. 4, line 45, delete "to specific a one" and replace with --to a specific one--.
- Col. 4, line 52, delete "CT/DF processors" and replace with --CT/DF processor--.
- Col. 4, line 62, delete "born" and replace with --horn--.
- Col. 5, line 25, delete "of vehicle" and replace with --of the vehicle--.
- Col. 5, line 27, delete "Its is" and replace with --it is--.
- Col. 5, line 30, delete "Figure are" and replace with --Figure 1 are--.
- Col. 7, line 22, delete "track-called" and replace with --track--.
- Col. 7, line 39, delete "also to aid" and replace with --also aid--.
- Col. 7, line 48, delete "corresponding" and replace with --corresponds--.
- Col. 8, line 46, delete "target" and replace with --targets--.
- Col. 11, line 7, delete "vehicle" and replace with --the vehicle--.
- Col. 11, line 28, delete "step 154 a" and replace with --step 154, a--.
- Col. 12, line 34, delete "more of plurality" and replace with --more of said plurality--.
- Col. 13, line 15, delete "combination the" and replace with --combination with the--.
- Col. 13, line 16, delete "of a" and replace with --of--.

MAILING ADDRESS OF SENDER:

Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, MA 02021-2354

PATENT NO. 6,784,828

No. of additional copies

 1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

MAR 04 2005